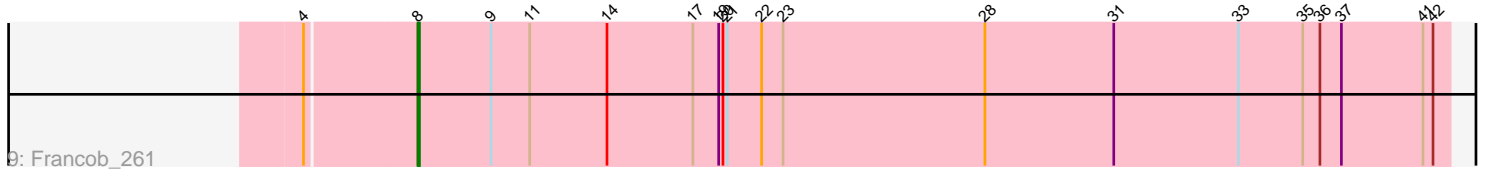
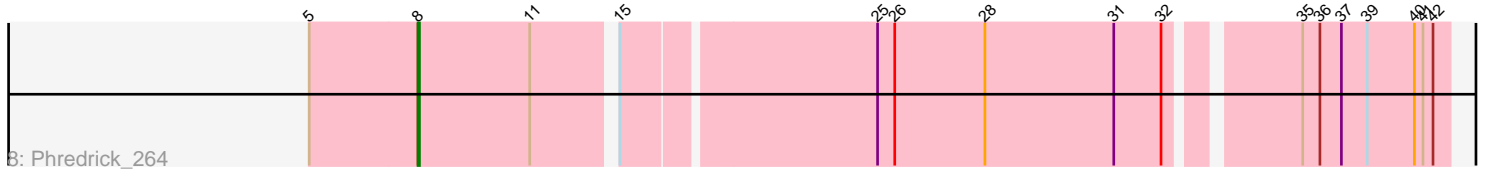
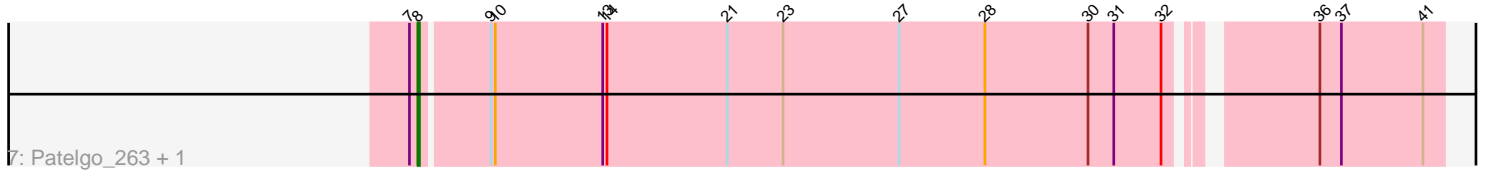
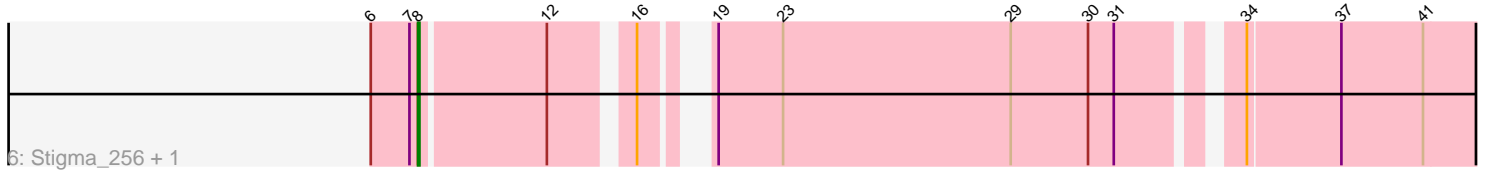
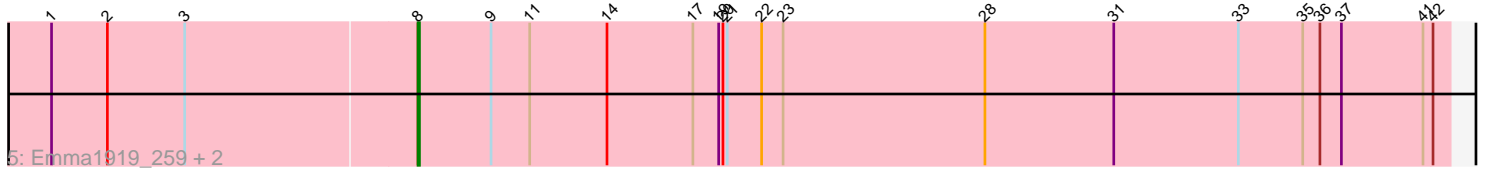
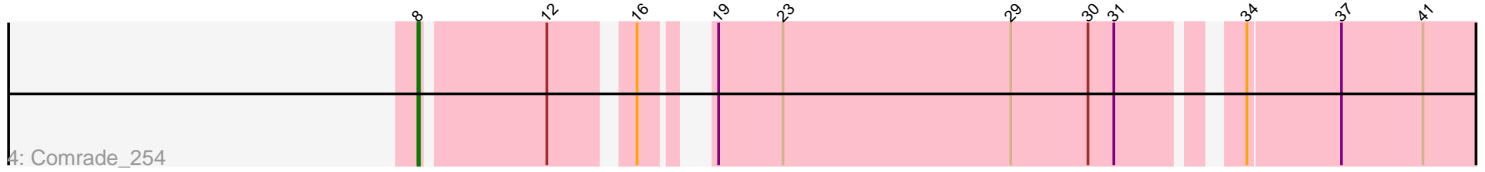
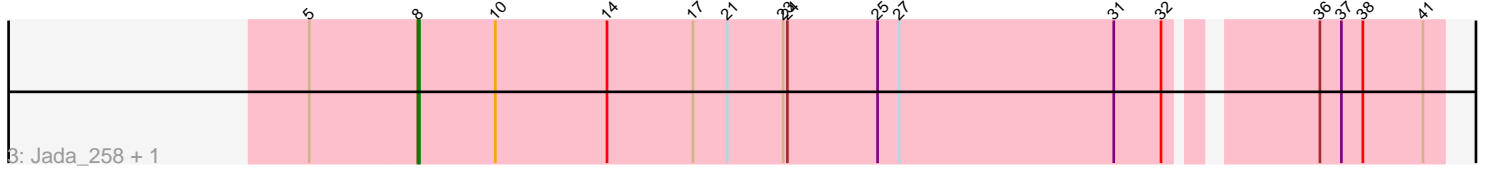
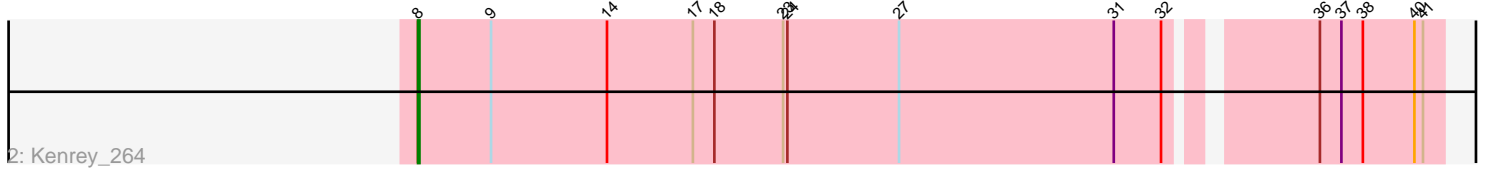
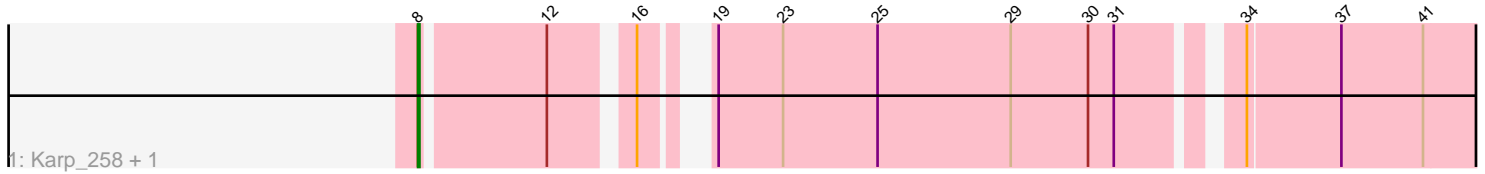


Pham 158259



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 158259 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158259 has 15 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Karp_258, Belfort_259
- Track 2 : Kenrey_264
- Track 3 : Jada_258, Forrest_257
- Track 4 : Comrade_254
- Track 5 : Emma1919_259, MeganTheeKilla_260, Gilson_258
- Track 6 : Stigma_256, SparkleGoddess_258
- Track 7 : Patelgo_263, Moab_260
- Track 8 : Phredrick_264
- Track 9 : Francob_261

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_259, Comrade_254, Emma1919_259, Forrest_257, Francob_261, Gilson_258, Jada_258, Karp_258, Kenrey_264, MeganTheeKilla_260, Moab_260, Patelgo_263, Phredrick_264, SparkleGoddess_258, Stigma_256,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 8:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_259 (BK1), Comrade_254 (BK1), Emma1919_259 (BK1), Forrest_257 (BK1), Francob_261 (BK1), Gilson_258 (BK1),

Jada_258 (BK1), Karp_258 (BK1), Kenrey_264 (BK1), MeganTheeKilla_260 (BK1), Moab_260 (BK1), Patelgo_263 (BK1), Phredrick_264 (BK1), SparkleGoddess_258 (BK1), Stigma_256 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 8 was manually annotated 15 times for cluster BK1.

Gene Information:

Gene: Belfort_259 Start: 123969, Stop: 124658, Start Num: 8

Candidate Starts for Belfort_259:

(Start: 8 @123969 has 15 MA's), (12, 124050), (16, 124098), (19, 124125), (23, 124170), (25, 124236), (29, 124329), (30, 124383), (31, 124401), (34, 124470), (37, 124533), (41, 124590),

Gene: Comrade_254 Start: 124111, Stop: 124800, Start Num: 8

Candidate Starts for Comrade_254:

(Start: 8 @124111 has 15 MA's), (12, 124192), (16, 124240), (19, 124267), (23, 124312), (29, 124471), (30, 124525), (31, 124543), (34, 124612), (37, 124675), (41, 124732),

Gene: Emma1919_259 Start: 122901, Stop: 123620, Start Num: 8

Candidate Starts for Emma1919_259:

(1, 122649), (2, 122688), (3, 122742), (Start: 8 @122901 has 15 MA's), (9, 122952), (11, 122979), (14, 123033), (17, 123093), (19, 123111), (20, 123114), (21, 123117), (22, 123141), (23, 123156), (28, 123297), (31, 123387), (33, 123474), (35, 123519), (36, 123531), (37, 123546), (41, 123603), (42, 123609),

Gene: Forrest_257 Start: 123360, Stop: 124052, Start Num: 8

Candidate Starts for Forrest_257:

(5, 123285), (Start: 8 @123360 has 15 MA's), (10, 123414), (14, 123492), (17, 123552), (21, 123576), (23, 123615), (24, 123618), (25, 123681), (27, 123696), (31, 123846), (32, 123879), (36, 123966), (37, 123981), (38, 123996), (41, 124038),

Gene: Francob_261 Start: 123723, Stop: 124442, Start Num: 8

Candidate Starts for Francob_261:

(4, 123648), (Start: 8 @123723 has 15 MA's), (9, 123774), (11, 123801), (14, 123855), (17, 123915), (19, 123933), (20, 123936), (21, 123939), (22, 123963), (23, 123978), (28, 124119), (31, 124209), (33, 124296), (35, 124341), (36, 124353), (37, 124368), (41, 124425), (42, 124431),

Gene: Gilson_258 Start: 123260, Stop: 123979, Start Num: 8

Candidate Starts for Gilson_258:

(1, 123008), (2, 123047), (3, 123101), (Start: 8 @123260 has 15 MA's), (9, 123311), (11, 123338), (14, 123392), (17, 123452), (19, 123470), (20, 123473), (21, 123476), (22, 123500), (23, 123515), (28, 123656), (31, 123746), (33, 123833), (35, 123878), (36, 123890), (37, 123905), (41, 123962), (42, 123968),

Gene: Jada_258 Start: 122600, Stop: 123292, Start Num: 8

Candidate Starts for Jada_258:

(5, 122525), (Start: 8 @122600 has 15 MA's), (10, 122654), (14, 122732), (17, 122792), (21, 122816), (23, 122855), (24, 122858), (25, 122921), (27, 122936), (31, 123086), (32, 123119), (36, 123206), (37, 123221), (38, 123236), (41, 123278),

Gene: Karp_258 Start: 125566, Stop: 126255, Start Num: 8

Candidate Starts for Karp_258:

(Start: 8 @125566 has 15 MA's), (12, 125647), (16, 125695), (19, 125722), (23, 125767), (25, 125833), (29, 125926), (30, 125980), (31, 125998), (34, 126067), (37, 126130), (41, 126187),

Gene: Kenrey_264 Start: 124500, Stop: 125192, Start Num: 8

Candidate Starts for Kenrey_264:

(Start: 8 @124500 has 15 MA's), (9, 124551), (14, 124632), (17, 124692), (18, 124707), (23, 124755), (24, 124758), (27, 124836), (31, 124986), (32, 125019), (36, 125106), (37, 125121), (38, 125136), (40, 125172), (41, 125178),

Gene: MeganTheeKilla_260 Start: 123071, Stop: 123790, Start Num: 8

Candidate Starts for MeganTheeKilla_260:

(1, 122819), (2, 122858), (3, 122912), (Start: 8 @123071 has 15 MA's), (9, 123122), (11, 123149), (14, 123203), (17, 123263), (19, 123281), (20, 123284), (21, 123287), (22, 123311), (23, 123326), (28, 123467), (31, 123557), (33, 123644), (35, 123689), (36, 123701), (37, 123716), (41, 123773), (42, 123779),

Gene: Moab_260 Start: 125006, Stop: 125689, Start Num: 8

Candidate Starts for Moab_260:

(7, 125000), (Start: 8 @125006 has 15 MA's), (9, 125051), (10, 125054), (13, 125129), (14, 125132), (21, 125216), (23, 125255), (27, 125336), (28, 125396), (30, 125468), (31, 125486), (32, 125519), (36, 125603), (37, 125618), (41, 125675),

Gene: Patelgo_263 Start: 125938, Stop: 126621, Start Num: 8

Candidate Starts for Patelgo_263:

(7, 125932), (Start: 8 @125938 has 15 MA's), (9, 125983), (10, 125986), (13, 126061), (14, 126064), (21, 126148), (23, 126187), (27, 126268), (28, 126328), (30, 126400), (31, 126418), (32, 126451), (36, 126535), (37, 126550), (41, 126607),

Gene: Phredrick_264 Start: 123744, Stop: 124418, Start Num: 8

Candidate Starts for Phredrick_264:

(5, 123669), (Start: 8 @123744 has 15 MA's), (11, 123822), (15, 123873), (25, 124041), (26, 124053), (28, 124116), (31, 124206), (32, 124239), (35, 124317), (36, 124329), (37, 124344), (39, 124362), (40, 124395), (41, 124401), (42, 124407),

Gene: SparkleGoddess_258 Start: 124835, Stop: 125527, Start Num: 8

Candidate Starts for SparkleGoddess_258:

(6, 124802), (7, 124829), (Start: 8 @124835 has 15 MA's), (12, 124919), (16, 124967), (19, 124994), (23, 125039), (29, 125198), (30, 125252), (31, 125270), (34, 125339), (37, 125402), (41, 125459),

Gene: Stigma_256 Start: 124548, Stop: 125240, Start Num: 8

Candidate Starts for Stigma_256:

(6, 124515), (7, 124542), (Start: 8 @124548 has 15 MA's), (12, 124632), (16, 124680), (19, 124707), (23, 124752), (29, 124911), (30, 124965), (31, 124983), (34, 125052), (37, 125115), (41, 125172),